

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

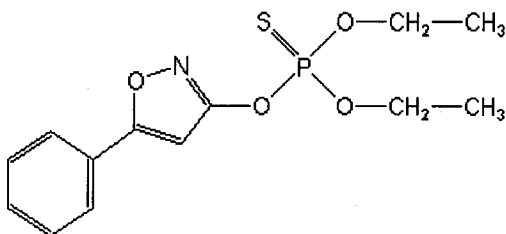
Analyte: Isoxathion

CAS No.: 18854-01-8

Formula: C₁₃H₁₆NO₄PS

Molecular mass (lowest isotopes): 313,05 amu

Structure:



Ionisation: ESI +

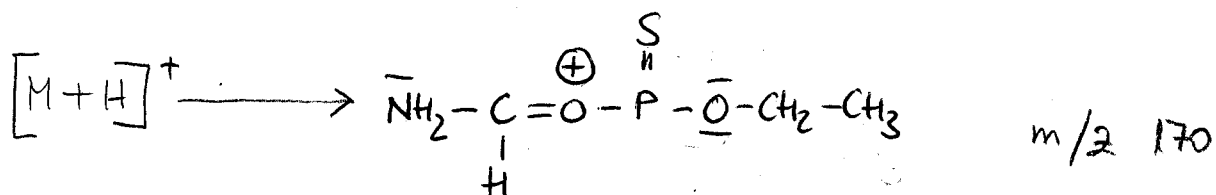
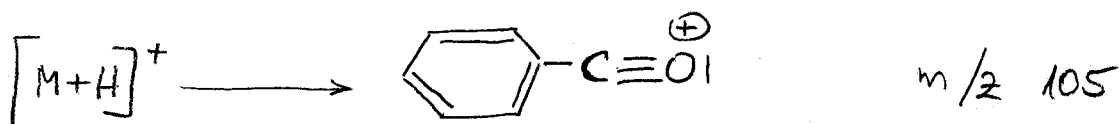
Quasimolecular ion: 314,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	314,1 → 105,0	314,1 → 170,0
Declustering potential (DP) ^{*)}	44 V	44 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,0 V	12,0 V
Collision cell entrance potential (CEP)	22 V	20 V
Collision energy (CE)	21 V	19 V
Collision cell exit potential (CXP)	6 V	8 V

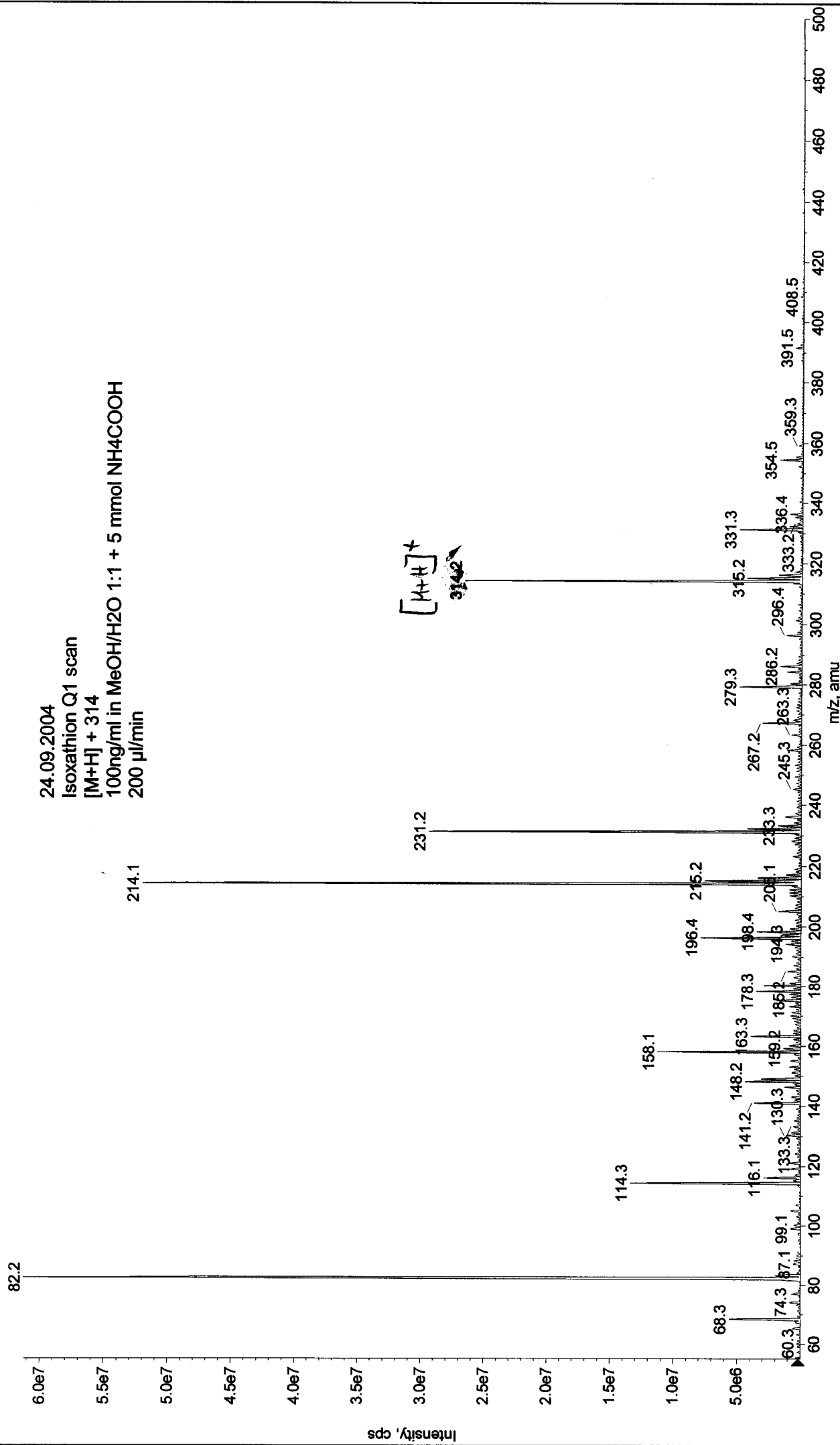
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

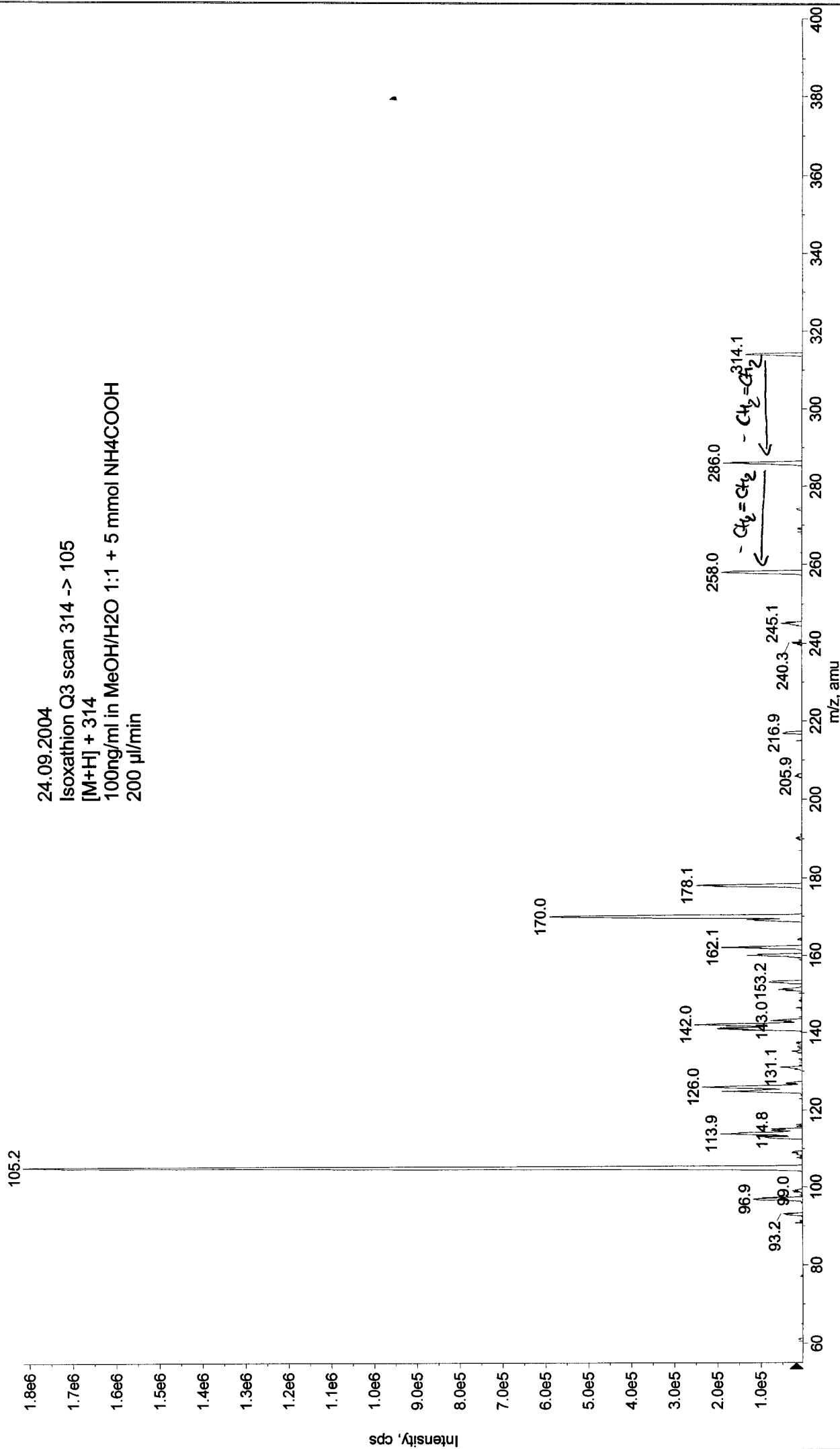


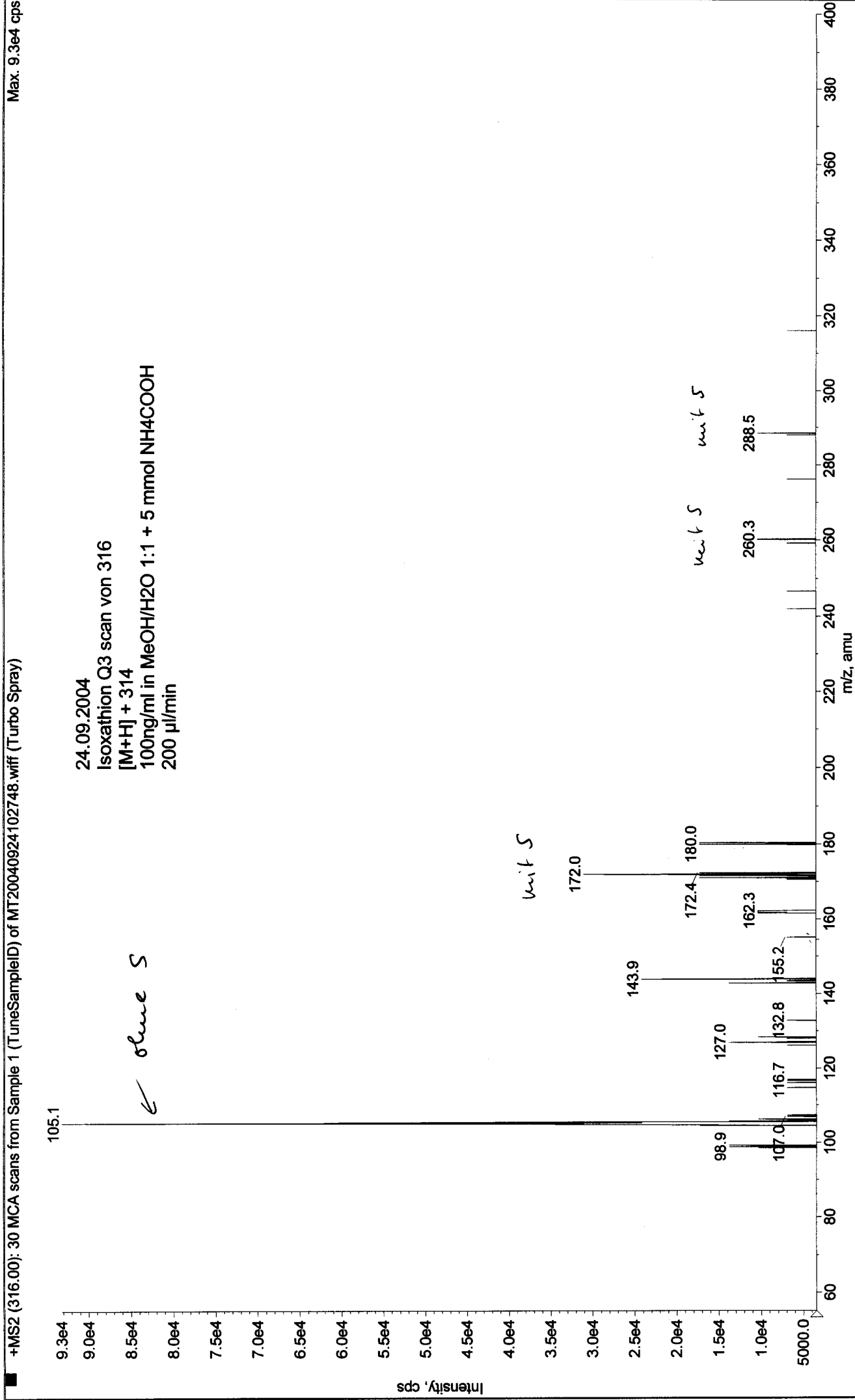
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040924101854.wiff (Turbo Spray)

Max. 6.1e7 cps



+MS2 (314.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040924102248.wiff (Turbo Spray) Max. 1.8e6 cps





+MS2 (314.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040924102602.wiff (Turbo Spray) Max. 1.6e6 cps

